OWNER'S MANUAL

Power Inverter PI-100SL

Converts DC Battery Power to AC Household Power

Includes 12 Volt Accessory Plug with Airplane Adaptor

CAUTION:
Read all Safety Rules and Operating Instructions, and follow them with each use of this product.

Schumacher Electric Corporation
Mount Prospect, IL 60056 U.S.A.

Send Warranty Product Repairs to:
Customer Service Returns
P.O. Box 280, 1025 E. Thompson
Hoopeston, IL 60942-0280
Questions? Call Customer Service: 1-800-621-5485

00-99-000665/0806

IMPORTANT SAFETY INSTRUCTIONS

SAVE THESE INSTRUCTIONS

Before using your PI-100SL, read and understand this Owner's Manual.

- Keep the inverter well ventilated in order to properly disperse heat generated while it is in use. Make sure there are several inches of clearance around the top and sides of the inverter. Do Not block the slots of the inverter.
- Make sure the inverter is not close to any potential source of flammable fumes, gases or clothing.
- Keep the inverter dry.
- DO NOT allow it to come into contact with rain or moisture.
- DO NOT operate the inverter if you, the inverter, the device being operated or any other surfaces that may come in contact with any power source are wet. Water and many other liquids can conduct electricity, which may lead to serious injury.
- Do not place the inverter on or near heating vents, radiators, other sources of heat or flammable materials.
- Do not place the inverter in direct sunlight. The ideal air temperature for operation is between 50° and 80°F.
- Do not use near open engine compartment.
- Only connect the power inverter to a 12-volt accessory outlet or 12-volt airplane power outlet. Make sure the AC plug and/or USB connection is tight.
- Do not modify the AC or USB receptacle in any way.

- Use only 15-amp fuses.
- This device does not include an internal Ground Fault Circuit Interrupter (GFCI). For GFCI protection, use a Coleman Cable 02822 GFCI outlet.

WARNING: Handling the cord on this product or cords associated with accessories sold with this product, may expose you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. ***Wash hands after handling.***

BEFORE USING PI-100SL POWER INVERTER

It is important to know the continuous wattage of the device you plan to use with the inverter. The PI-100SL must be used with devices drawing 100 watts or less. If the wattage is not marked on the device, an estimate can be made by multiplying the AC input current (Amps) by the AC voltage (110V).

Devices like TVs, fans or electric motors require additional power to start (commonly known as the “starting or peak power”). The PI-100SL can supply a momentary surge in wattage; however even devices rated less than the maximum 100 watts can exceed the inverters surge capability and cause an automatic overload shutdown.

Make sure the device you are using is compatible with a modified sine wave inverter.

OPERATING INSTRUCTIONS

Plugging into an airplane power or 12V accessory outlet:

1. Plug the included power cable into the inverter. Note the plug will only fit into the outlet one way.
2. If using a 12 volt accessory outlet, push the adapter into the airplane power plug firmly. Note the plug will only fit into the outlet one way. Press the plug into the power outlet firmly.
3. The LED indicator light should glow GREEN verifying the inverter is receiving power. If the LED indicator glows RED, read Troubleshooting.
4. Make sure that the device to be operated is turned OFF. Plug the device into the PI-100SL AC outlet or USB outlet and turn the device on.

   NOTE: A ‘’buzzing’’ sound emitted from inexpensive sound systems is the result of ineffective filters in the sound system. This can be resolved by purchasing a sound system with a higher quality power supply or higher quality filter.

POWER SOURCE

Your average automobile or marine battery at full charge will provide an ample power supply to the inverter for approximately 3 hours when the engine is off. The actual length of time the inverter will function depends on the age and condition of the battery and the power demand being placed by the device being operated with the inverter.

Before starting the engine, disconnect the inverter's plug from the 12V accessory outlet. To maintain battery power, run the engine every 2 to 3 hours for approximately 10 minutes to recharge the battery. While the PI-100SL draws very low amperage when not in use, it should be unplugged to avoid battery drain.

USAGE EXAMPLES

Device Type	Estimate Wattage
Cell Phones, MP 3 Players, PDAs	10 watts
Radios	15 watts
Portable CD	50 watts
Laptop Computers	60-80 watts
Video Games	80 watts

TROUBLESHOOTING

PROBLEM: RED LED is on.
Reason/*Solution*

1. **Too much power draw.**
   Unplug and reinsert PI-100SL.
   Use a smaller device or use a larger inverter.
2. **Inverter is too hot.**
   Increase ventilation to inverter.
   Move inverter to a cooler area.
   Reduce the power consumption of the device.
   Inverter will automatically reset after cooling.
3. **Input voltage is too high or too low.**
   Verify you are using a 12V power source with a voltage between 10.5 – 15.0V DC.

PROBLEM: LEDs do not light, inverter does not function.
Reason/*Solution*

1. **Poor contact at terminals.**
   Unplug and reinsert PI-100SL.
2. **Fuse blows**
   A blown fuse is usually caused by reverse polarity or a short circuit within the inverter. To replace, remove the old fuse and insert a new 15 amp fuse (mini spade type).
3. **Inverter may be defective.**
   See warranty and call Customer Service 800-621-5485 (Hours: 7 a.m. – 4:30 p.m. CST).

SPECIFICATIONS

Maximum Continuous Power	100 Watts
Surge Capacity (Peak Power)	200 Watts
No Load Current Draw	<0.4 Amps
Wave Form	Modified Sine Wave
Input Voltage Range	10.5 – 15.0V DC
Output Voltage	110V – 125V AC
Low Battery Shutdown	10.2V – 10.6V DC
High Battery Shutdown	15.0V – 16.0V DC
Optimum Efficiency	>85%
Dimensions	5.8"H x 3.4"W x 1"D
Product Weight	Approximately .8lbs.
AC Receptacles	One, 110V AC 3-Prong
Fuse	One, 15 Amp (mini spade type)
DC Outlets	One, USB 5V 0.5 Amp

REPLACEMENT PARTS

15 Amp Fuses (Littelfuse® mini spade type)
Can be purchased at most electronic component retailers.

12V Accessory Plug and
(1) Airplane Adapter with Cable
22-99-001494

LIMITED WARRANTY

Schumacher Electric Corporation warrants your inverter to be free from defects in material and workmanship, excepting abuse or misuse, for a period of two years from the date of sale to the original user or consumer purchaser. If your inverter malfunctions or fails within the 24-month warranty period because of a defect in material or workmanship, we will repair it without charge or replace it.

This warranty is in lieu of all other express warranties. The duration of any implied warranty, including but not limited to, any implied warranty of merchantability or fitness for a particular purpose made in respect to your unit, is limited to the period of the express warranty set forth above.

For warranty service, **return your inverter as well as proof of purchase** to the factory or a designated agent:

Schumacher Electric Corporation,
Warranty Service Department
1025 E. Thompson, P.O. Box 280,
Hoopeston, IL 60942-0280
Phone: 800-621-5485 (Hours: 7 a.m. - 4:30 p.m. CST)

You will be responsible for all insurance and freight or other transportation charges to the factory or point of repair. We will return your inverter freight prepaid if repair is covered under warranty. Your inverter should be properly packed to avoid damage in transit since we will not be responsible for any such damage.

In no event shall Schumacher Electric Corporation be liable for consequential damages. Some states do not allow limitations on the length of the implied warranty or the exclusion or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which may vary from state to state.